

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1 – 20) (Canceled)

21) (New) Profile for assisting in the construction of a floor for a pool, and that can float or be immersed, the profile including at least one internal cavity longitudinally crossing the profile and for receiving ballast, the profile having first and second ends sealed respectively by first and second end pieces including a connection arrangement through which the internal cavity can be filled or emptied, the connection means arrangement being connected to first and second channels, the first channel opening out into an upper section of the internal cavity, the second channel opening out into a lower section of the internal cavity.

22) (New) Profile according to claim 21, further comprising an upper internal conduit and a lower internal conduit arranged on opposite sides of the internal cavity, the conduits being connected respectively to the internal cavity by passages, the first and second channels being connected respectively with the upper and lower conduits.

23) (New) Profile according to claim 22, further including a first separating wall and a second separating wall delimiting respectively the upper and lower conduits and the internal cavity, one end of the first wall covering one edge of a base of a first end piece, another end of the first wall being offset from the edge of a base of the second end piece to form one of the passages, the second separating wall being offset in the opposite direction from the first wall.

24) (New) Profile according to claim 21, further comprising an articulated link for enabling the profile to be assembled in an articulated manner to a second profile arranged lateral to the first named profile.

25) (New) Profile according to claim 24, wherein the articulated link includes a tongue and a groove arranged respectively on the lateral flanks of each profile.

26) (New) Profile according to claim 24, further including, on opposite sides of a lower wall, rims forming a stop to limit the angular motion of the first named profile when closed with the second profile.

27) (New) Profile according to claim 26, wherein the groove and the rims include discontinuities on each profile to form a plurality of sites for water of the pool to pass, so as to accelerate the immersion and emersion movements of the floating floor.

28) (New) Profile according to claim 21 further including an articulated junction for mechanically assisting and assembling in an articulated manner two profiles arranged in line with each other.

29) (New) Profile according to claim 28, wherein the articulated junction comprises a first sleeve and a second sleeve mounted respectively on shaped supports protruding from the end pieces.

30) (New) Profile according to claim 29, wherein the sleeves include a section of a profile divided in two parts along its median plane, the sleeves being coupled by an articulated link and having lateral walls with holes to allow for the passage of a connecting pipe to the connection arrangement.

31) (New) Profile according to claim 29 further including an inclination device fitted between first and second sleeves to increase, by a specific value, an opening angle of two of the profiles arranged in line with each other.

32) (New) Profile according to claim 21, wherein the profile includes a plurality of the internal cavities arranged side by side, and each end piece including a connection arrangement opening out respectively into the internal cavities.

33) (New) Profile according to claim 21 further including a third conduit between an upper conduit and an upper wall of the profile, the third conduit being arranged to enable circulation of water to heat the water under the effect of solar radiation, each end piece including an additional connection arrangement connected to a channel opening out into the third conduit.

34) (New) Profile according to the claim 33, wherein the end piece includes a wall delimiting a channel that is extended by an edge penetrating the third conduit.

35) (New) Profile according to claim 33, wherein the connection arrangement includes an offset connector.

36) (New) Floor for a pool, that can float or be immersed, the floor comprising profiles according to claim 21, the floor including several groups of profile rows, the rows of a single group being connected one after each other so as to give priority to filling of rows of the profiles located closest to an edge of the floating floor.

37) (New) Floor for a pool according to claim 36, wherein the floor includes a protective belt bordering its edge, the protective belt including a flexible tube.

38) (New) Floor for a pool according to claim 36, wherein the groups are connected to a filling and draining manifold selectively connected to a suction/pressure pump and to a vent manifold.

39) (New) Floor for a pool according to claim 38, wherein a feed and purge manifold of a water heating circuit is connected in parallel to the filling and draining manifold.

40) (New) Floor for a pool according to claim 38, further including an air supply collector connected to the vent manifold.